AI Suite 3 User Manual

FM2+ Series

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Installing AI Suite 3

AI Suite 3 is an all-in-one interface that integrates several ASUS utilities and allows users to launch and operate these utilities simultaneously.

To install AI Suite 3 on your computer:

1. Place the support DVD in the optical drive. The **Special** tab appears if your computer has enabled the Autorun feature.
2. Click the **Utilities** tab **> AI Suite 3**.
3. Follow the onscreen instructions to complete the installation.
4. After AI Suite 3 is installed, restart your computer.

Using AI Suite 3

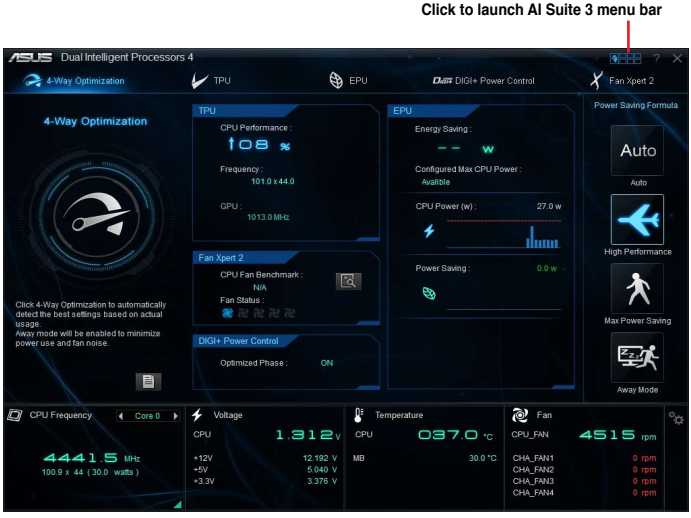
To launch AI Suite 3 on the following Windows® operating systems:

- For Windows® 7/XP, click on the notification area.
- For Windows® 8, click the AI Suite 3 app from the Start Screen.

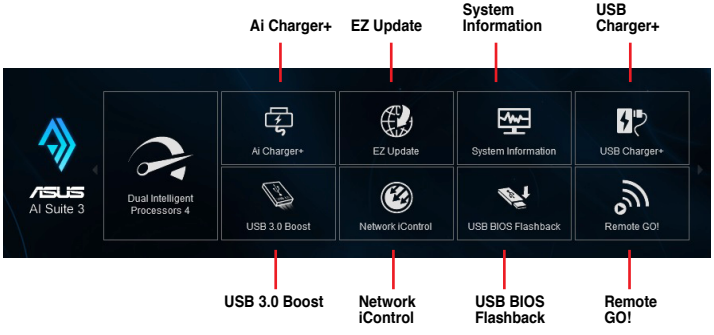
When launched, the main screen of AI Suite 3 appears. To go to the AI Suite 3 main menu bar, click or tap to launch the AI Suite 3 menu bar on the upper right corner of the menu.

The main screen of AI Suite 3 is for reference only and varies with models.

Main screen



AI Suite 3 main menu bar



- The screenshots of AI Suite 3 in this user manual are for reference only. The actual screenshots vary with models.
- Refer to the software manual in the support DVD or visit the ASUS website at www.asus.com for detailed software configuration.

Dual Intelligent Processors 4

Dual Intelligent Processors 4 comes with five utilities in one interface:
4-Way Optimization, TurboV Processing Unit (TPU), Energy Processing Unit (EPU), DIGI+ Power Control and Fan Xpert 2.

4-Way Optimization

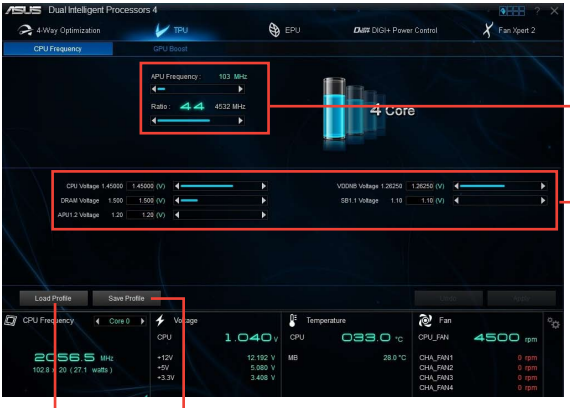
The 4-Way Optimization utility allows you to adjust TPU, EPU, DIGI + Power Control and Fan Xpert 2 settings.

TPU

TPU manages CPU, GPU and voltage frequencies and provides tools to adjust system performance.

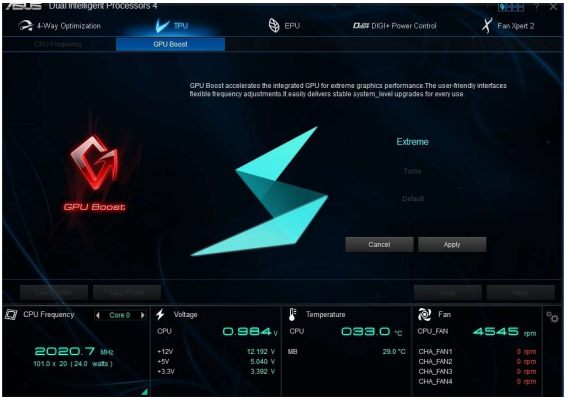
CPU Frequency

Click the CPU Frequency tab to adjust advanced voltage settings or create a profile. Click and drag the voltage adjustment bars to increase or decrease voltage.



GPU Boost

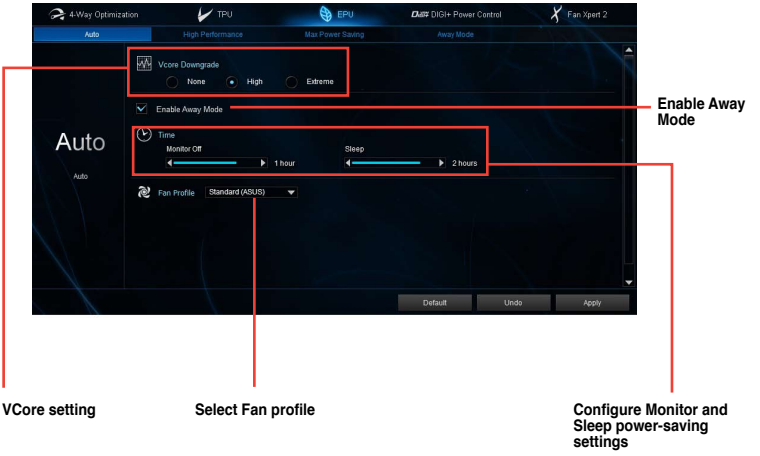
GPU Boost increases GPU performance and provides three settings for maximum GPU performance: Extreme, Turbo and Default.



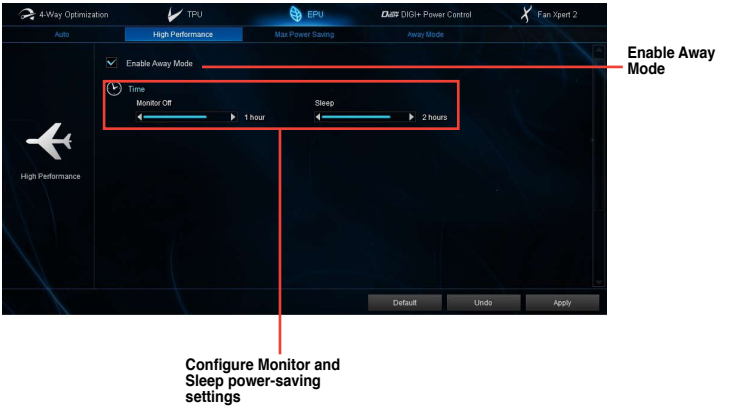
EPU

EPU is a utility that provides Auto, High Performance, Max Power Saving and Away modes to manage system power efficiently.

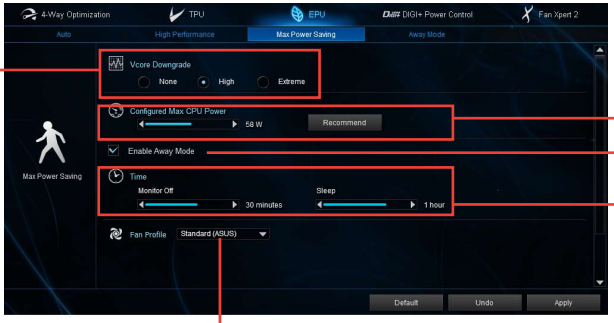
Auto



High Performance



Max Power Saving



Set maximum power output

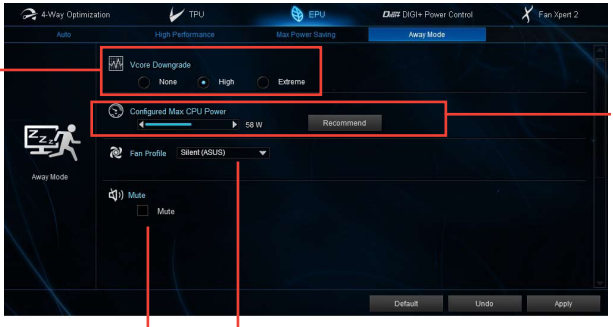
Enable Away Mode

VCore setting

Select Fan profile

Configure Monitor and Sleep power-saving settings

Away Mode



Set maximum power output

VCore setting

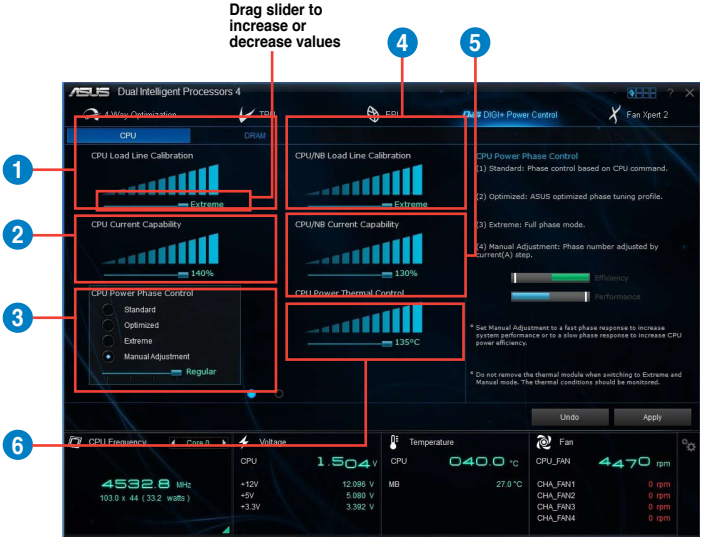
Mute

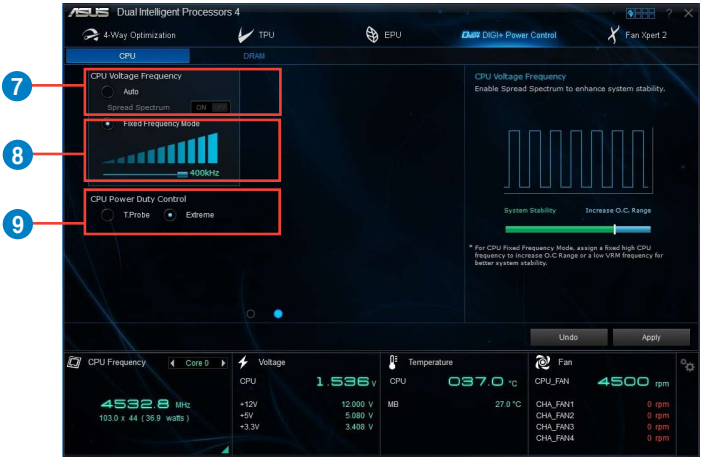
Select Fan profile

DIGI+ Power Control

ASUS DIGI+ Power Control adjusts CPU and DRAM voltage to enhance system performance and stability. It also provides excellent power management, reducing heat and power loss while prolonging component lifespan.

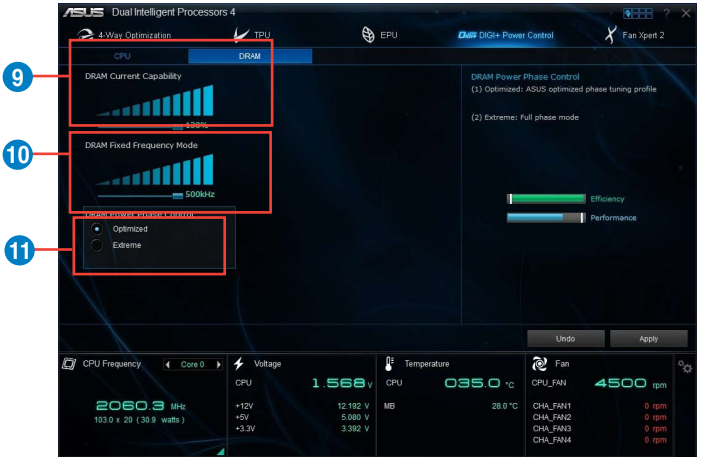
CPU Power





Items	Function description
1	**CPU Load-line Calibration** This setting allows you to adjust voltage range to control CPU Load Line. Set to a high value for system performance or to a low value for power efficiency.
2	**CPU Current Capability** A higher value provides a wider total power range while extending the overclocking frequency range.
3	**CPU Power Phase Control** Increase phase values under heavy system loading to temporarily increase performance and improve thermal performance. Reduce phase values under light system loading to increase VRM efficiency.
4	**CPU/NB Load Line Calibration** CPU/NB Load-line controls the behavior of the DRAM controller. Set to a high value for better system performance or to a lower value for better heat management.
5	**CPU/NB Current Capability** A higher value brings a wider DRAM controller power range while also extending the overclocking frequency range.
6	**CPU Power Thermal Control** A higher temperature brings a wider CPU power thermal range, while increasing overclocking tolerance and overclocking potential.
7	**CPU Voltage Frequency** Tick Auto for system to adjust CPU Voltage Frequency automatically.
8	**CPU Fixed Frequency Mode** Allows you to adjust the CPU switching frequency for system stability or to increase overclocking range.
9	**CPU Power Duty Control** Select T.Probe or Extreme to use ASUS optimized settings.

DRAM

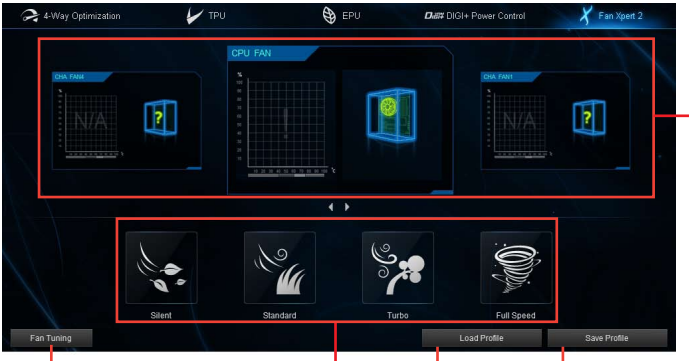


Items	Function description
9	**DRAM Current Capability** A higher value provides a wider total power range while extending the overclocking frequency range.
10	**DRAM Fixed Frequency Mode** Allows you to adjust the DRAM switching frequency for system stability or to increase overclocking range.
11	**DRAM Power Phase Control** Select **Extreme** for full phase mode to increase system performance. Select **Optimized** to use the ASUS optimized phase tuning profile to increase DRAM power efficiency.

- The actual performance boost may vary depending on your CPU specification.
- Do not remove the thermal module. The thermal conditions should be monitored.

Fan Xpert2

FAN Xpert 2 automatically detects and adjusts fan speed, and provides you with optimized fan settings based on position and fan specifications.



Run Fan Tuning process

Fan presets

Load saved fan profile

Save fan profile

Select installed fan

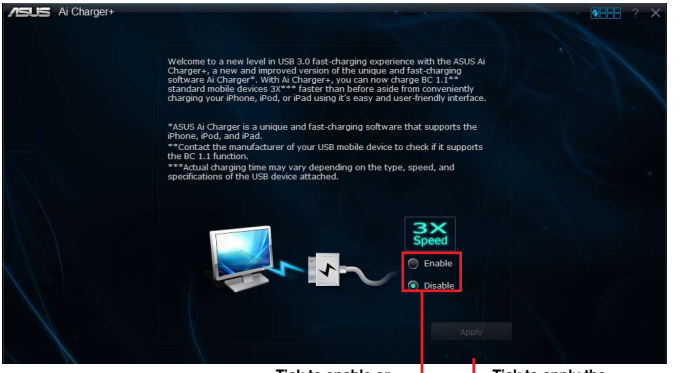
Ai Charger+

Ai Charger+ allows you to fast-charge your portable BC 1.1* mobile devices on your computer's USB port three times faster than the standard USB devices**.

Launching Ai Charger+

To launch Ai Charger+, click or tap on the top-right corner of the menu, then click **Ai Charger+** on the AI Suite 3 main menu bar.

Ai Charger+ screen


Ai Charger+
Welcome to a new level in USB 3.0 fast-charging experience with the ASUS Ai Charger+, a new and improved version of the unique and fast-charging software Ai Charger*. With Ai Charger+, you can now charge BC 1.1** standard mobile devices 3X*** faster than before aside from conveniently charging your iPhone, iPod, or iPad using it's easy and user-friendly interface.
*ASUS Ai Charger is a unique and fast-charging software that supports the iPhone, iPod, and iPad.
**Contact the manufacturer of your USB mobile device to check if it supports the BC 1.1 function.
***Actual charging time may vary depending on the type, speed, and specifications of the USB device attached.
3X Speed
Enable
Disable
Apply
Tick to enable or disable Ai Charger+
Tick to apply the selection

- * Check manufacturer specifications if your USB device complies with Battery Charging Specification 1.1 (BC 1.1).
- ** Actual charging speeds may vary depending on the charging rate and specifications of your USB device.
- To ensure normal charging function, disconnect and reconnect your USB device every time you enable or disable Ai Charger+.
- Ai Charger+ does not support USB hubs, USB extension cables and generic USB cables.

EZ Update

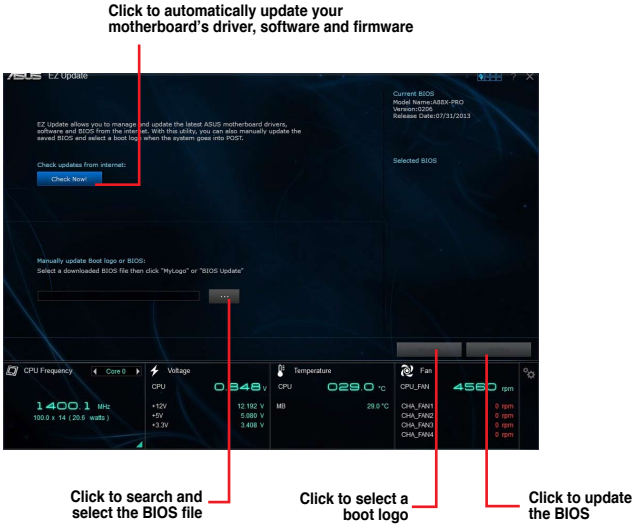
EZ Update is a utility that automatically updates your motherboard's software, drivers and BIOS.

With this utility, you can also manually update the BIOS and select the boot logo that will display during POST.

Launching EZ Update

To launch EZ Update, click or tap on the top-right corner of the menu, then click **EZ Update** on the AI Suite 3 main menu bar.

EZ Update screen



USB 3.0 Boost

USB 3.0 Boost technology supports UASP (USB Attached SCSI Protocol) and automatically speeds up the transfer rates of your USB storage devices.

Launching USB 3.0 Boost

To launch USB 3.0 Boost, click or tap on the top-right corner of the menu, then click **USB 3.0 Boost** on the AI Suite 3 main menu bar.

Using USB 3.0 Boost

1. Connect your USB 3.0 device to the USB 3.0 port.
2. From the USB 3.0 Boost screen, select a USB device.
3. To enable UASP on your USB device, click **UASP**. To revert to its normal transfer rate, click **Normal**.

USB 3.0 Boost screen

USB 3.0 Boost
USB 3.0 Boost speeds up the transfer rate for USB storage devices automatically. Some devices' bundled applications may be device dependent. Please use it under USB 3.0 Boost's Normal Mode.
Turbo mode automatically speeds up the transfer rate.
Turbo
UASP is the latest USB protocol that speeds up data throughput and reduces data transfer time. USB 3.0 Boost automatically detects if your USB storage device supports UASP and provides the best transfer speed for your USB storage device.
UASP
Normal mode operates at the USB storage device's normal data transfer rate.
Normal
SanDisk Cruz...
Model: SanDisk Cruzer Pop USB Device
Size: Total: 7.45 GB , Free: 2.57 GB
Volume: USB Disk 1 - (E:)
Normal
Turbo
Click to enable USB device's normal data transfer rate
Click to enable UASP or Turbo Mode for a faster data transfer rate
Click to select a USB device

- Refer to the software manual in the support DVD or visit the ASUS website at www.asus.com for detailed software configuration.
- Use USB 3.0 devices for better performance. Data transfer speed varies with USB devices.

Network iControl

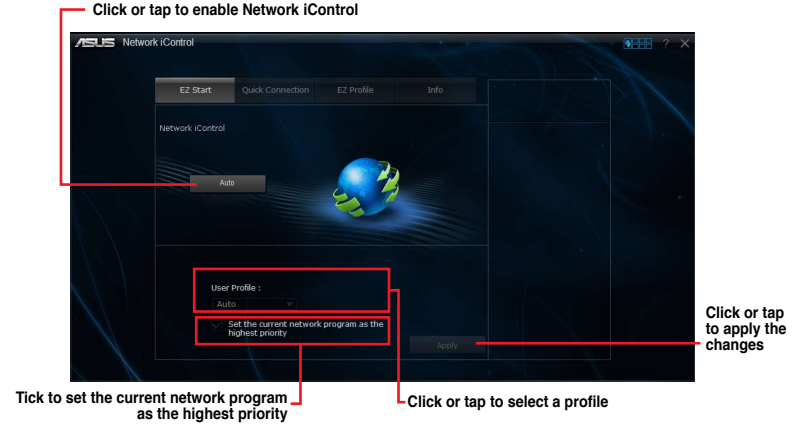
Network iControl is a one-stop setup network control center that allows you to manage your network bandwidth and set the bandwidth priority for your running programs.

Launching Network iControl

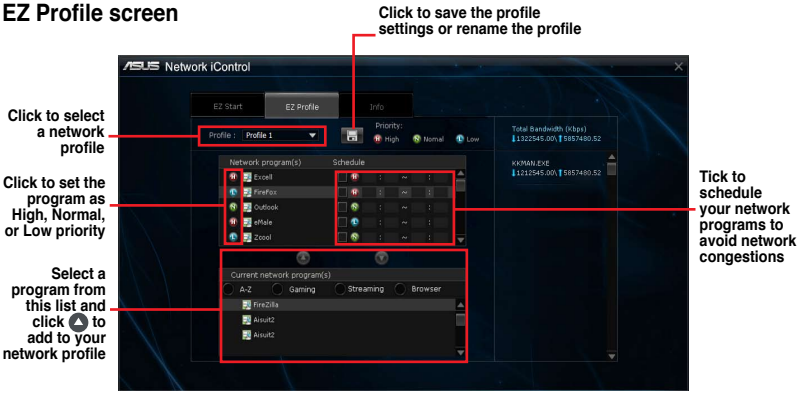
To launch Network iControl, click or tap on the top-right corner of the menu, then click **Network iControl** on the AI Suite 3 main menu bar.

- Ensure to install the LAN drivers before using this utility.
- Network iControl can only support the onboard LAN.

EZ Start screen



EZ Profile screen



USB Charger+

USB Charger+ allows you to quickly charge your portable USB devices even if your computer is off, in sleep mode or hibernate mode.

Launching USB Charger+

To launch USB Charger+, click or tap on the top-right corner of the menu, then click **USB Charger+** on the AI Suite 3 main menu bar.

USB Charger+ screen

Click to detect the connected USB device
Indicates that the connected USB device is in charging mode
USB Charger+
Kindle
ASUS
Others
Apple
Simply connect your USB-charging devices such as iPhone, iPad, Smartphone, or Tablet PC to the green circled USB port at the rear port to quickly charge your device.
Click this button to enjoy the fast-charging power now!
Click this button to stop fast-charging.
Click this button to rescan the correct charging mode of your currently connected device.
Fast charging under system sleep, hibernate or shutdown mode:
Disable
Apply
Cancel
Click to fast-charge your USB device
Click to stop charging your USB device
Click to apply settings
Click to discard settings
Click to select the type of USB device that you wish to charge when the system is in sleep, hibernate or shutdown mode

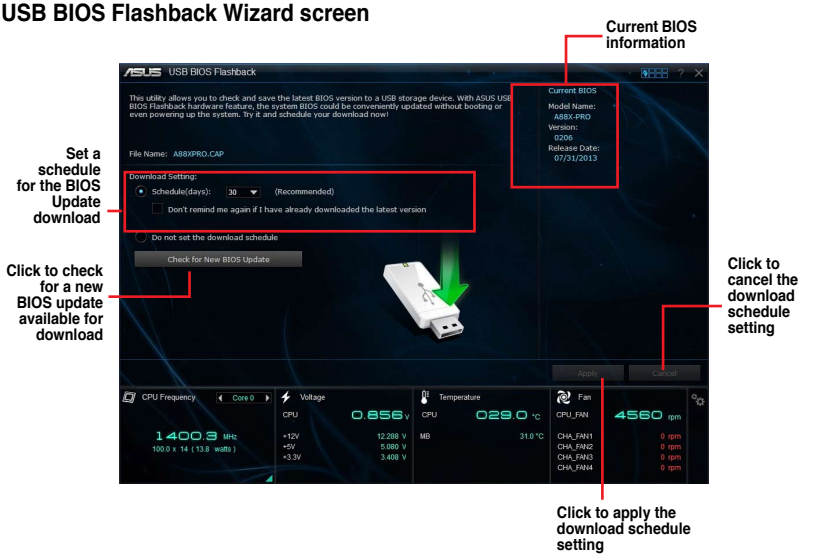
Ensure to connect your USB device into the USB port that supports this utility. Refer to the section on **Rear panel connection** of your motherboard user manual for more details.

- USB Charger+ does not support USB hubs and USB extension cables, and generic USB cables.
- USB Charger+ may not recognize some ASUS devices due to a special design.
- USB Charger+ is only supported in Windows® 7 and later versions.

USB BIOS Flashback Wizard

USB BIOS Flashback Wizard allows you to check and save the latest BIOS version to a USB storage device. Use this utility to quickly check for the latest available BIOS and set the BIOS download schedule.

USB BIOS Flashback Wizard screen



Scheduling the BIOS download

1. In the Download Setting field, tick **Schedule (days)** then select the number of days for the BIOS download schedule.
2. Click **Apply** to save the BIOS download schedule. Click **Cancel** to cancel the download schedule.

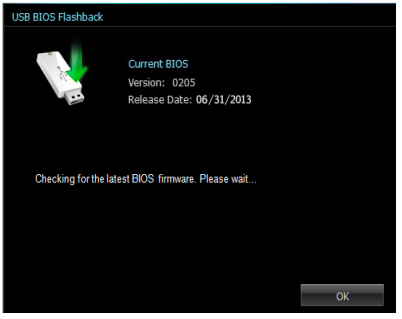
Downloading the updated BIOS

Before you start downloading the updated BIOS, insert your USB storage device to your computer's USB port assigned for USB BIOS Flashback. Refer to the section on **Rear panel connection** of your motherboard user manual for more details.

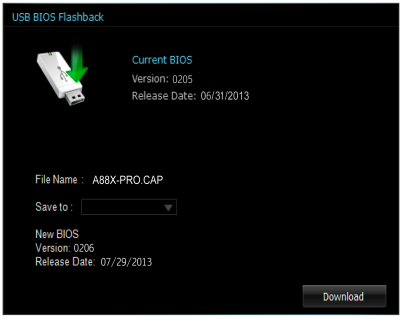
To download the updated BIOS:

1. From the USB BIOS Flashback screen, click **Check for New BIOS Update**.

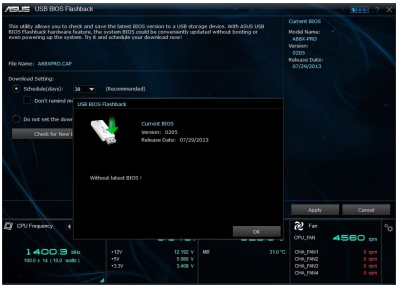
   Wait for the system to check the latest BIOS version.



2. After the utility detects a new BIOS, click ▼ from the Save to: field, select the USB flash drive, then click **Download**.



3. After the download is complete, click **OK**.



System Information

This utility displays detailed information on the motherboard, CPU and memory settings.

Launching System Information

To launch System Information, click or tap on the top-right corner of the menu, then click **System Information** on the AI Suite 3 main menu bar.

Viewing motherboard information

From the System Information screen, click the **MB** tab to view the motherboard's information.

Viewing CPU information

From the System Information screen, click the **CPU** tab to view the processor's information.

Viewing SPD information

From the System Information screen, click the **SPD** tab to view the memory's information.

Remote GO!

Remote GO! provides tools for managing computers remotely, transferring files, playing multimedia and syncing files within a wireless network.

- Remote GO! is supported only on Windows® 7 or later versions.
- To use the features of Remote GO!, all mobile devices and computers should be connected to the same wireless network.

Using Remote GO!

To launch Remote GO!, click **Remote GO!** on the AI Suite III main menu bar.

Remote GO! features

- **Cloud GO!** - Syncs your files across cloud services such as Google Drive, ASUS WebStorage and Dropbox.
- **Remote Desktop** - Control and manage your desktop using your mobile device.
- **DLNA Media Hub** - Stream and share multimedia files across all your DLNA devices on your wireless network.
- **File Transfer** - Exchange files wirelessly between your mobile device and desktop PC.

Cloud GO!

You can use Cloud Go! to set up your cloud storage accounts to sync files across your wireless network.

DLNA Media Hub

Using DLNA Media Hub, you can assign DLNA devices on your wireless network as “Receiver” to stream multimedia files from your desktop PC.

File Transfer

You can use the File Transfer tool to wirelessly exchange files between your computer and mobile device.

Remote Desktop

You can install the Remote Desktop app for your smart device to remotely control your desktop PC from your mobile device.